

TO: USPTO
COMPANY:

02/17/04 TUE 12:10 FAX 228 9446

2/17/2004 3:15 PM PAGE 5/008 Fax Server

KLARQUIST SPARKMAN

004

TMH/DJZ:eb 01/25/02 6395-61666 89684

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Liu et al.

Application No.: 10/017,168

Filed: December 14, 2001

For: COMPOSITIONS AND METHODS FOR
DETECTING TREPONEMA PALLIDUM

Examiner: Not yet assigned

Date: January 25, 2002

Art Unit: Not yet assigned

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on January 25, 2002 as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Tanya M. Harding, Ph.D.
Attorney for Applicant

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.970(b)(1)

COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Sir:

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the filing date of a national application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this Information Disclosure Statement, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

Tanya M. Harding, Ph.D.
Registration No. 42,630

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446
cc: Client
Docketing

TO: USPTO
COMPANY:

2/17/2004 3:15 PM PAGE 6/008 Fax Server

02/17/04 TUE 12:10 FAX 228 9446

KLARQUIST SPARKMAN

005

TMH:elb 01/25/2002 6395-61666 93517

| | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------|-------|-----------------|-------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Docket: 6395-61666 | | App: 10/017,168 | |
| | | | | Applicant: Liu <i>et al.</i> | | | |
| | | | | Filed: December 14, 2001 | | Art Unit: | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Init.* | | Number | Date | Name | Class | Sub | Filed |
| | | 4,738,932 | 04/19/88 | Yabusaki | | | |
| | | 4,894,328 | 01/16/90 | Alderete <i>et al.</i> | | | |
| | | 5,643,733 | 07/01/97 | Robinson <i>et al.</i> | | | |
| | | 5,643,751 | 07/01/97 | Robinson <i>et al.</i> | | | |
| | | 5,753,459 | 05/19/98 | Blanco <i>et al.</i> | | | |
| | | 5,770,719 | 06/23/98 | Kapoor <i>et al.</i> | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Number | Date | Country | Class | Sub | |
| | | WO 95/02186 | 01/19/95 | PCT (WIPO) | | | |
| OTHER DOCUMENTS | | | | | | | |
| | | Fraser <i>et al.</i> , "Complete Genome Sequence of <i>Treponema pallidum</i> , the Syphilis Spirochete," <i>Science</i> , 281:375-388 (July 17, 1998). | | | | | |
| | | Green <i>et al.</i> , "Identification, sequences, and expression of <i>Treponema pallidum</i> chemotaxis genes," <i>DNA Sequence</i> 7(5):267-84 (1997). (ABSTRACT ONLY) | | | | | |
| | | Pillay <i>et al.</i> , "Molecular Subtyping of <i>Treponema pallidum</i> Subspecies <i>pallidum</i> ," <i>Sexually Trans. Dts.</i> , 25(8):408-414 (Sept. 1998). | | | | | |
| | | Pillay <i>et al.</i> , "Molecular Typing of <i>Treponema pallidum</i> in South Africa: Cross-Sectional Studies," <i>J. Clin. Microbio.</i> , 40(1):256-258 (Jan. 2002). | | | | | |
| EXAMINER: | | | | DATE | | | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy. | | | | | | | |

TMH:clb 01/25/2002 6395-61666 93517

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Docket: 6395-61666 | App: 10/017,168 |
| | | Applicant: Liu <i>et al.</i> | |
| | | Filed: December 14, 2001 | Art Unit: |
| OTHER DOCUMENTS | | | |
| | | Seppa, "Researchers solve syphilis genome.(genome of <i>Treponema pallidum</i> decoded)," <i>Science News</i> , www.findarticles.com/cf_0/m1200/n5_v154/21015212/print.jhtml , (Aug. 1, 1998). | |
| | | Shevchenko <i>et al.</i> , "Molecular Characterization and Cellular Localization of TpLRR, a Processed Leucine-Rich Repeat Protein of <i>Treponema pallidum</i> , the Syphilis Spirochete," <i>J. Bacter.</i> , 179(10):3188-3195 (May 1997). | |
| | | Stamm <i>et al.</i> , "Nucleotide Sequence of the <i>Treponema pallidum</i> Eno Gene," <i>DNA Sequence</i> , 7(5):261-265 (1997). (ABSTRACT ONLY) | |
| | | Sutton <i>et al.</i> , "Molecular Subtyping of <i>Treponema pallidum</i> in an Arizona County with Increasing Syphilis Morbidity: Use of Specimens from Ulcers and Blood," <i>J. Infect. Dis.</i> , 2001;183:1601-1606 (June 1, 2001). | |
| | | Walfield <i>et al.</i> , "Primary Structure of an Oligomeric Antigen of <i>Treponema pallidum</i> - For use in Sero-Diagnosis," <i>Infect. Immun.</i> , 57(2):633-635 (1989). (ABSTRACT ONLY) | |
| | | (No listed author) "Scientists Decipher Syphilis Genome," <i>Appl. Gen. News</i> (Sept. 1, 1998). | |
| | | (No listed author) "Scientists Report on the Complete Genome of <i>Treponema pallidum</i> , The Syphilis Spirochete," <i>PR Newswire</i> (July 16, 1998). | |
| | | GenBank Accession #AF015824, <i>Treponema pallidum</i> acidic repeat protein gene, complete cds. (Jan. 2, 1998). | |
| | | GenBank Accession #AF342806, <i>Treponema pallidum</i> subsp. pertenue strain CDC2 acidic repeat protein (arp) gene, complete cds. (Sept. 13, 2001). | |
| EXAMINER: | | DATE | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy. | | | |

TO: USPTO
COMPANY:

2/17/2004 3:15 PM PAGE 8/008 Fax Server

02/17/04 TUE 12:11 FAX 228 9446

KLARQUIST SPARKMAN

007

TMH:clb 01/25/2002 6395-61666 93517

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Docket: 6395-61666 | | App: 10/017,168 | |
| | | Applicant: Liu <i>et al.</i> | | | |
| | | Filed: December 14, 2001 | | Art Unit: | |
| OTHER DOCUMENTS | | | | | |
| | | | GenBank Accession #AF342807, <i>Treponema pallidum</i> subsp. endemicum strain Bosnia acidic repeat protein (arp) gene, complete cds. (Sept. 13, 2001). | | |
| | | | GenBank Accession #AF411124, <i>Treponema pallidum</i> subsp. pallidum strain Nichols acidic repeat protein (arp) gene, complete cds. (Sept. 26, 2001). | | |
| | | | GenBank Accession #AF411126, <i>Treponema pallidum</i> subsp. pertenue strain CDC1 acidic repeat protein (arp) gene, complete cds. (Sept. 26, 2001). | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| EXAMINER: | | DATE | | | |
| <p>*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.</p> | | | | | |